## **EAST Search History**

## EAST Search History (Prior Art)

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	583	(29/416).CCLS.	USPAT; USOCR	OR	OFF	2010/02/04 12:53
S2	2	("2990038").PN.	USPAT; USOCR	OR	OFF	2010/02/04 13:07
S3	7	("2990038").URPN.	USPAT	OR	OFF	2010/02/04 13:34
S4	1621	(29/463).CCLS.	USPAT; USOCR	OR	OFF	2010/02/04 14:00
S5	13	("1644940"   "3050831"   "3283464"   "3874051").PN. OR ("4894898").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/04 14:03
S6	127	(29/525.14).OOLS.	USPAT; USOCR	OR	OFF	2010/02/04 15:03
<b>S</b> 7	2	("1729180").URPN.	USPAT	OR	OFF	2010/02/04 15:19
S8	486	(29/897).COLS.	USPAT; USOCR	OR	OFF	2010/02/04 15:27
S9	278	(29/897.35).COLS.	USPAT; USOCR	OR	OFF	2010/02/04 15:27
S10	399	(29/897.3).COLS.	USPAT; USOCR	OR	OFF	2010/02/04 15:27
S11	347	(29/897.31).COLS.	USPAT; USOCR	OR	OFF	2010/02/04 15:27
S12	175	(29/897.312).OOLS.	USPAT; USOCR	OR	OFF	2010/02/04 16:07
<b>S</b> 13	237	(29/897.33).OOLS.	USPAT; USOCR	OR	OFF	2010/02/04 16:08
S14	172	(29/897.34).OOLS.	USPAT; USOCR	OR	OFF	2010/02/04 16:08
S15	2	("1277622").URPN.	USPAT	OR	OFF	2010/02/04 16:14
S16	6	("3190628"   "4129460"   "4457197").PN. OR ("4707898").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/04 16:14
S17	1	("2139788").URPN.	USPAT	OR	OFF	2010/02/04 16:15
S18	0	("2122698").URPN.	USPAT	OR	OFF	2010/02/04 16:15

S19	1	("1709805").URPN.	USPAT	OR	OFF	2010/02/04 16:15
S20	8	("3066394").URPN.	USPAT	OR	OFF	2010/02/04 16:16
S21	9	("3034197").URPN.	USPAT	OR	OFF	2010/02/04 16:16
S22	11	("1741423").URPN.	USPAT	OR	OFF	2010/02/04 16:17
S23	614253	structural	USPAT	OR	OFF	2010/02/12 14:10
S24	479808	beam	USPAT	OR	OFF	2010/02/12 14:10
<b>S2</b> 5	90437	S23 and S24	USPAT	OR	OFF	2010/02/12 14:10
S26	330232	finished	USPAT	OR	OFF	2010/02/12 14:10
S27	11605	S25 and S26	USPAT	OR	OFF	2010/02/12 14:10
S28	2318276	less depth	USPAT	OR	OFF	2010/02/12 14:11
S29	9488	S27 and S28	USPAT	OR	OFF	2010/02/12 14:11
S30	209941	cellular	USPAT	OR	OFF	2010/02/12 14:11
S31	479808	beam	USPAT	OR	OFF	2010/02/12 14:11
S32	17821	S30 and S31	USPAT	OR	OFF	2010/02/12 14:11
<b>S3</b> 3	17018	universal and S24	USPAT	OR	OFF	2010/02/12 14:12
S34	8	"4894898"	USPAT	OR	OFF	2010/02/12 14:13
\$35	32	("0593484"   "1311820"   "1644940"   "1741423"   "2141642"   "2290038"   "3283464"   "382464"   "362653"   "3874051"   "4407195"   "4152873"   "4545170"   "4555889"   "4894898"   "5060352").PN. OR	US-PGPUB; USPAT; USOCR	OA.	OFF	2010/02/12 14:16

S36	27	("3283464").URPN.	USPAT	OR	OFF	2010/02/12 14:19
S37	3	"1729180"	USPAT	OR	OFF	2010/02/12 14:22
S38	12	"2408523"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/12 14:26
S39	39	"4416097"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/12 14:28
S40	2	("1729180").URPN.	USPAT	OR	OFF	2010/02/12 14:31
S41	685	29/463	USPAT	OR	OFF	2010/02/12 15:36
S42	711	29/445	USPAT	OR	OFF	2010/02/12 16:35
S43	23	("0102441"   "0425002"   "3335524"   "33972633"   "39672633"   "3967430"   "4163912"   "4161811"   "4267679"   "488366"   "5074138"   "5228257"   "5390466"   "5424111"   "5568714"   "5720144".]-N. OR ("5860265"). UFPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/12 16:38
S44	12	"1741423"	USPAT	OR	OFF	2010/02/12 16:52
S45	30	("1741423"   "1890471"   "2299936"   "2370036"   "2954074"   "3962900"). P.N. OR ("4670960"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/12 16:55
S46	13	("1644940"   "3050831"   "3283464"   "3874051").PN. OR ("4894898").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/12 17:03

S47	11	("1644940"   "3050831").PN. OR ("3874051").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/12 17:30
S48	1	("3874051").PN. OR ("4896818").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/12 17:33
S49	1894024	29/155 R	USPAT	OR	OFF	2010/02/16 10:48
S50	215106	29/155 R and beam	USPAT	OR	OFF	2010/02/16 11:02
S51	614996	structural	USPAT	OR	OFF	2010/02/16 11:03
S52	480311	beam	USPAT	OR	OFF	2010/02/16 11:03
S53	90550	S51 and S52	USPAT	OR	OFF	2010/02/16 11:03
S54	44419	29/155 R and S53	USPAT	OR	OFF	2010/02/16 11:03
S55	137	29/425	USPAT	OR	OFF	2010/02/16 11:04
S56	199	52/650.1	USPAT	OR	OFF	2010/02/16 11:30
\$\$57	38	("331930") "39530"] "3957430"] "3967430"] "4016700"] "4071995"] "4131990"] "4161811"] "4196554"] "4267679"] "4267679"] "4268396"] "46398615"] "4689396"] "469896"] "469896"] "5074138"] "5117602"] "5228515"] "5325649"] "5390466"] "5424111"] "5559978"] "5559878"] "5559978"] "5559978"] "5559978"]	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/16
S58	7	("2990038").URPN.	USPAT	OR	OFF	2010/02/16 11:42

S59	35	("0114039"   "0735920"   "1563077"   "1563077"   "1644940"   "1741423"   "2002044"   "2988781"   "2990038"   "3066394"   "3283464"   "328346650"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/16 11:43
		"4348850"   "4894898").PN. OR ("5588273").URPN.	LIODAT	000		0040/00/40
S60	111	("1741423").URPN.	USPAT	OR	OFF	2010/02/16 11:47
S61	9	("1644940").URPN.	USPAT	OR	OFF	2010/02/16 11:49
S62	11	("1644940"   "3050831").PN. OR ("3874051").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/16 11:50
S63	16	"3904380"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/16 11:55
S64	21	("2153058"   "2277616"   "2801863").PN. OR ("3904380").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/16 11:56
<b>S</b> 65	20	"3596421"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/16 11:57
S66	13	"3066394"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/16 12:00
S67	56	("3066394"   "3489957"   "3582466"   "3614369"   "3625813"   "3761675"   "3932726"   "3978748"   "4048885"   "4149918". FN. OR ("4266112"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/16 12:04
S68	9	("3190628").URPN.	USPAT	OR	OFF	2010/02/16 13:48

S69	20	("0482411"   "1759213"   "1958162"   "2442774"   "3190628"   "3217658"   "3880086").FN. OR ("4635558").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/16 13:50
S70	9	("3190628").URPN.	USPAT	OR	OFF	2010/02/16 13:51
S71	630	52/729	USPAT	OR	OFF	2010/02/16 13:56
S72	7	("2065493"   "3300839"   "4292782").PN. OR ("5012626").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/16 14:43
S73	125	52/636	USPAT	OR	OFF	2010/02/17 08:49
S74	464	52/696	USPAT	OR	OFF	2010/02/17 09:04
S76	1353	29/831	USPAT	OR	OFF	2010/02/17 09:05
S77	1	"11916064"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/17 09:07
S78	2	"6442908"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/17 09:10
S79	22	("1957026"   "1990001"   "2006070"   "2021434"   "2233054"   "2851875"   "3130470"   "3495371"   "3594971"   "3732650"   "5113631"   "5704181"   "6049932"). FN. OR ("6442908"). UFPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2010/02/17 09:12
S80	1	"6807789"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/17 09:14

S81	14	("1086343"   "1654013"   "1794425"   "1973743"   "2028169"   "3093932"   "4196558"   "6341467"), FN. OR ("6807789") URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/17 09:15
S82	8	"3397858"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/17 09:16
S83	13	"3066394"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/17 09:17
S84	3	"3197610"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/17 09:19
S85	27	("3283464").URPN.	USPAT	OR	OFF	2010/02/17 09:21
S86	20	52/832	USPAT	OR	OFF	2010/02/17 09:39
S87	1295	29/557	USPAT	OR	OFF	2010/02/17 09:40
S88	1295	29/557	USPAT	OR	OFF	2010/02/17 11:41
S89	1295	29/557	USPAT	OR	OFF	2010/02/17 13:40
S90	3	"7214277"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/17 13:52
S91	13	"4545170"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/17 13:53
S92	9	"1322441"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/17 13:55
S93	45	"322441"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/17 13:56
S94	9	"1322441"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/17 13:57

S95	28	"2116356"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/17 13:57
S96	18	"1741423"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/17 14:11
S97	11	("1741423").URPN.	USPAT	OR	OFF	2010/02/17 14:12
S98	30	("1741423"   "1890471"   "2299936"   "2370036"   "2954074"   "3962900"). FN. OR ("4670960"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/17 14:14
S99	32	("0593484"   "1311820"   "1644940"   "1741423"   "2141642"   "2990038"   "3283464"   "3626653"   "3674051"   "4071995"   "4152873"   "4545170"   "4555889"   "4864898"   "5060352") .FN. OR ("5524410") .URPN. OR	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/17 14:17
\$100	22	("1741423"   "1770215"   "229936"   "2611918"   "2995769"   "3395420"   "3683738"   "3828391"   "3962900"   "3997937"   "4682925"   "4759096"   "5500980"   "5584149"), FN. OR	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/17

S102	359	29/897.3	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/17 14:33
S103	181	29/557 and beam	USPAT	OR	OFF	2010/02/17 14:50
S104	1111	29/558	USPAT	OR	OFF	2010/02/17 15:03
S105	144	29/558 and beam	USPAT	OR	OFF	2010/02/17 15:39
S106	887072	beam	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/17 15:55
S107	964853	depth	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/17 15:55
S108	6549933	reduction in depth and S106	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/17 15:55
S109	170174	structural and S106	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/17 15:56
S110	58000	reduction and S109	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/17 15:56
S111	7	"1729180"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/17 15:57
S112	711	29/445	USPAT	OR	OFF	2010/02/19 15:02
S113	120475	cut and beam	USPAT	OR	OFF	2010/02/19 15:07
S114	4763	weld and halves	USPAT	OR	OFF	2010/02/19 15:07
S115	485	S113 and S114	USPAT	OR	OFF	2010/02/19 15:07
S116	90550	structural and beam	USPAT	OR	OFF	2010/02/19 15:08
S117	29592	S113 and S116	USPAT	OR	OFF	2010/02/19 15:08
S118	245	S114 and S117	USPAT	OR	OFF	2010/02/19 15:08
S119	6121	S117 and reduce and beam and depth	USPAT	OR	OFF	2010/02/19 15:09
S120	99	S119 and S114	USPAT	OR	OFF	2010/02/19 15:10
S121	18	("1887494"   "1970231"   "2069480"   "2674783"   "3015238"   "3673888"   "3793703"   "4760755"   "4921159").PN. OR ("6609649").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/19 15:22

S122	18	"2356366"	US-PGPUB; USPAT; USOCR; PPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:02
S123	38	"356142"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:05
S124	15	("4351470"   "4406393"   "4577797"   "4603089"   "4732312"   "4820355"   "5115963").PN. OR ("5330093").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/24 10:07
S125	3	"2114091"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/24 10:08
S126	11	"2114091"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:09
S127	O	"1989212025"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:10
S128	4	"4989774"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:10
S129	8	("4460657"   "4644626"   "4984732"   "4989774"   "5277357").PN. OR ("5413271").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/24 10:11
S130	1	"68914547"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:11
S131	5	"2006070474"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:13

S132	7	"4391361"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:14
S133	8	"1488167"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:15
S134	1	"52117252"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:16
S135	85708	cut and beam and half	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:21
S136	8305	weld and halves and together	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:21
S137	706	S135 and S136	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:21
S138	48	"324206"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:22
S139	12	"2408523"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:23
S140	15	"2990038"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:26
S141	3	"5661881"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/24 10:29

S142	30	("0509770"	US-PGPUB;	OR	OFF	2010/02/24
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		"0652990"				
		"1311820"				
		"1644940"				
		"1741423"				
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		"2990038"				
		"3283464"				
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		"3874051"				
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		"4866899"				
		"4894898"				
		"5060352").PN. OR				
	*	("5661881").URPN.				***
S143	8	"4894973"	US-PGPUB;	OR	OFF	2010/02/24
			USPAT; USOCR			10:35
S144	14	("3282016"	US-PGPUB:	OR	OFF	2010/02/24
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		"3483665"				
		"4640078"				
		"4773192").PN. OR				
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	*		USPAT; USOCR			10:41
S146	1169	29/558	US-PGPUB;	OR	OFF	2010/02/24
			USPAT; USOCR			10:45
S147	11228	shortening and	US-PGPUB;	OR	OFF	2010/02/24
		metallic and structure	USPAT; USOCR		1	10:57
S148	68287	cutting and welding	US-PGPUB;	OR	OFF	2010/02/24
	3020.	and together	USPAT: USOCR		0	10:58
04.40		}	·	00	OFF	
S149	635	S147 and S148	US-PGPUB; USPAT: USOCR	OR	OFF	2010/02/24
					<u> </u>	10:58
S150	8	"4220419"	US-PGPUB;	OR	OFF	2010/02/24
			USPAT; USOCR			11:38
S151	508	228/170	USPAT	OR	OFF	2010/02/25
	•				1	09:42

S152	21	("3421677"   "3546772"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/25 10:06
		"3616091"   "3639962"   "3673658"   "3860761"   "3894908"   "4570049"			***************************************	
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\$153	14	("0999267"   "1498176"   "1574563"   "1574563"   "1722671"   "1877583"   "2418312").PN. OR ("4562950").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/25 11:36
S154	6	("1498176").URPN.	USPAT	OR	OFF	2010/02/25 11:55
S155	8	("1574563").URPN.	USPAT	OR	OFF	2010/02/25 11:56
S156	5	("999267").URPN.	USPAT	OR	OFF	2010/02/25 11:58
S157	199	228/171	USPAT	OR	OFF	2010/02/25 11:58
S158	1	("1722671").URPN.	USPAT	OR	OFF	2010/02/25 12:35
S159	5	("1594658").URPN.	USPAT	OR	OFF	2010/02/25 12:38
S160	35	("0899033"   "1344229"   "1377891"   "1506509"   "1594658"   "1843318"   "2376900"   "2382201"   "2886857"   "333389"   "3365852"   "3477485"   "3490188"	US PGPUB; USPAT; USOCR	OR	OFF	2010/02/25 12:41

	***************************************	"3616091"   "3733231"   "3800485"   "3883999"   "3883999"   "38934908"   "3991535").PN. OR ("4362589").URPN.		***************************************	***************************************	***************************************
S161	18	("0020559"   "0057475"   "1097909"   "1449813"   "1594658"   "1877583"   "2463966"   "3262301"   "4156588"   "4236399"). PN. OR ("4531666"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/25 12:44
S162	12	("1594658"   "2084649"   "3295288"   "3672711"   "5174080").FN. OR ("5628156").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/25 12:45
S163	13	("1594658"   "1644940"   "2617179"   "2937766"   "3164255"   "3400831"). FN. OR ("5875905"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/25 12:47
S164	13	(US-20090100794-\$). did. or (US-57905- \$\text{s}\$ or US-57805-\$\text{s}\$ or US-5785247-\$\text{ or US- 5720144-\$\text{ or US- 5720144-\$\text{ or US- 5524410-\$\text{ or US- 4894898-\$\text{ or US- 4894898-\$\text{ or US- 489646-\$\text{ or US- 2877051-\$\text{ or US- 2990038-\$\text{ or US- 2277615-\$\text{ or US- 2277615-\$\text{ or US- 2263272-\$\text{ or US- 2263272-\$\text{ or US- 1644940-\$\text{ old.}}	USPAT	OR	OFF	2010/03/09 18:30
S165	12	"2277615"	USPAT	OR	OFF	2010/03/12 14:41
S166	11	("2277615").URPN.	USPAT	OR	OFF	2010/03/12 14:41

S167	11	"5725247" and weld \$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/01 18:31
S168	53	29/897.3 and cutt\$3 and beams and (weld \$3 or join\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/02 08:55
S169	3909	cutt\$3 and different and beams and halves and (weld\$3 or join\$3).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/02 09:01
S170	18	29/897.33 and cutt\$3 and beams and (weld \$3 or join\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/02 09:08
S171	0	29/897.33 and cutt\$3 and different adj beams and (weld\$3 or join\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/02 09:08
S172	11	29/897.33 and cutt\$3 and different and beams and (weld\$3 or join\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/02 09:08
S173	281	(29/897.35).OOLS.	USPAT; USOCR	OR	OFF	2010/12/02 09:08
S174	3	S169 and S173	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/02 09:08
S175	17	("3025577"   "3298151"   "3503173"   "3708942"   "40773352"   "42077719"   "4348850"   "4523419"   "5524410").PN. OR ("5852968").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/02 09:12
S176	2	"4894898" and S169	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/02 09:48
S177	37	("0114039"   "0735920"   "1563077"   "1563118"   "1644940"   "1741423"   "2002044"   "2080781"   "29890038"   "3066394"   "3283464"   "3826655"   "4348850"	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/02 09:52

		"4894898") .PN. OR ("5588273") .URPN.	**********			***************************************
S178	221	29/897.35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/27 13:47
S179	92	29/897.33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/27 13:48
S180	563	29/416	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/27 13:48
S181	754	29/445	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/27 13:52
S182	442	29/897.3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/27 14:16
S183	729	29/463	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/27 14:20
S184	145	29/425	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/27 14:22
S185	494	29/897	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/27 14:23
S186	264	52/650.1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/27 14:25
S187	149	52/636	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/27 14:31

S188	532	52/696	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/27 14:35
S189	4	"0324206"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/06/02 09:38
S190	52	"324206"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/06/02 09:39

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